



Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly with annotated starts, the track will be further scaled to only show that region of the ORF with annotated starts. This action will be indicated by adding "Zoomed" to the title. For starts, yellow indicates the location of called starts comprised solely of Glimmer/GeneMark auto-annotations, green indicates the location of called starts with at least 1 manual gene annotation.

Pham 106524 Report

This analysis was run 04/05/24 on database version 557.

Pham number 106524 has 25 members, 0 are drafts.

Phages represented in each track:

- Track 1 : SororFago_36
- Track 2 : Trooper_33
- Track 3 : QueenBeesly_33, FiringLine_33, QueenB2_33, Dalmatian_33, Retro23_33, Smeagan_35, Georgie2_34
- Track 4 : NaSiaTalie_32, Flare16_32, Bugsy_34, MiculUcigas_32
- Track 5 : Larenn_34
- Track 6 : Leviathan_34, Dignity_34, Agape74_34, AbbyPaige_34, Jerm_34
- Track 7 : BiancaTri92_34
- Track 8 : Anselm_33
- Track 9 : NicoleTera_36
- Track 10 : Fameo_33
- Track 11 : JoshKayV_34
- Track 12 : SheaKeira_34

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 10, it was called in 19 of the 25 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AbbyPaige_34, Agape74_34, Anselm_33, BiancaTri92_34, Bugsy_34, Dalmatian_33, Dignity_34, FiringLine_33, Flare16_32, Georgie2_34, Jerm_34, Leviathan_34, MiculUcigas_32, NaSiaTalie_32, QueenB2_33, QueenBeesly_33, Retro23_33, Smeagan_35, SororFago_36,

Genes that have the "Most Annotated" start but do not call it:

- Fameo_33, JoshKayV_34, Larenn_34, NicoleTera_36, Trooper_33,

Genes that do not have the "Most Annotated" start:

- SheaKeira_34,

Summary by start number:

Start 6:

- Found in 2 of 25 (8.0%) of genes in pham
- Manual Annotations of this start: 2 of 25
- Called 100.0% of time when present
- Phage (with cluster) where this start called: JoshKayV_34 (A2), NicoleTera_36 (A2),

Start 8:

- Found in 11 of 25 (44.0%) of genes in pham
- Manual Annotations of this start: 2 of 25
- Called 18.2% of time when present
- Phage (with cluster) where this start called: Fameo_33 (A2), SheaKeira_34 (A9),

Start 9:

- Found in 3 of 25 (12.0%) of genes in pham
- Manual Annotations of this start: 2 of 25
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Larenn_34 (A2), Trooper_33 (A2),

Start 10:

- Found in 24 of 25 (96.0%) of genes in pham
- Manual Annotations of this start: 19 of 25
- Called 79.2% of time when present
- Phage (with cluster) where this start called: AbbyPaige_34 (A2), Agape74_34 (A2), Anselm_33 (A2), BiancaTri92_34 (A2), Buggy_34 (A2), Dalmatian_33 (A2), Dignity_34 (A2), FiringLine_33 (A2), Flare16_32 (A2), Georgie2_34 (A2), Jerm_34 (A2), Leviathan_34 (A2), MiculUcigas_32 (A2), NaSiaTalie_32 (A2), QueenB2_33 (A2), QueenBeesly_33 (A2), Retro23_33 (A2), Smeagan_35 (A2), SororFago_36 (A14),

Summary by clusters:

There are 3 clusters represented in this pham: A9, A14, A2,

Info for manual annotations of cluster A14:

- Start number 10 was manually annotated 1 time for cluster A14.

Info for manual annotations of cluster A2:

- Start number 6 was manually annotated 2 times for cluster A2.
- Start number 8 was manually annotated 1 time for cluster A2.
- Start number 9 was manually annotated 2 times for cluster A2.
- Start number 10 was manually annotated 18 times for cluster A2.

Info for manual annotations of cluster A9:

- Start number 8 was manually annotated 1 time for cluster A9.

Gene Information:

Gene: AbbyPaige_34 Start: 25420, Stop: 25578, Start Num: 10

Candidate Starts for AbbyPaige_34:

(Start: 10 @25420 has 19 MA's), (11, 25462), (14, 25498),

Gene: Agape74_34 Start: 25396, Stop: 25554, Start Num: 10

Candidate Starts for Agape74_34:

(Start: 10 @25396 has 19 MA's), (11, 25438), (14, 25474),

Gene: Anselm_33 Start: 25334, Stop: 25495, Start Num: 10

Candidate Starts for Anselm_33:

(3, 25103), (4, 25133), (Start: 8 @25328 has 2 MA's), (Start: 10 @25334 has 19 MA's), (11, 25376), (14, 25412),

Gene: BiancaTri92_34 Start: 26394, Stop: 26561, Start Num: 10

Candidate Starts for BiancaTri92_34:

(Start: 10 @26394 has 19 MA's), (11, 26436), (14, 26472), (16, 26523),

Gene: Bugsy_34 Start: 25547, Stop: 25705, Start Num: 10

Candidate Starts for Bugsy_34:

(Start: 10 @25547 has 19 MA's), (11, 25589), (12, 25592), (14, 25625), (15, 25646),

Gene: Dalmatian_33 Start: 25310, Stop: 25471, Start Num: 10

Candidate Starts for Dalmatian_33:

(Start: 8 @25304 has 2 MA's), (Start: 10 @25310 has 19 MA's), (11, 25352), (14, 25388),

Gene: Dignity_34 Start: 25477, Stop: 25635, Start Num: 10

Candidate Starts for Dignity_34:

(Start: 10 @25477 has 19 MA's), (11, 25519), (14, 25555),

Gene: Fameo_33 Start: 25269, Stop: 25433, Start Num: 8

Candidate Starts for Fameo_33:

(Start: 8 @25269 has 2 MA's), (Start: 10 @25275 has 19 MA's), (11, 25317), (14, 25353),

Gene: FiringLine_33 Start: 25100, Stop: 25258, Start Num: 10

Candidate Starts for FiringLine_33:

(Start: 8 @25094 has 2 MA's), (Start: 10 @25100 has 19 MA's), (11, 25142), (14, 25178),

Gene: Flare16_32 Start: 25055, Stop: 25213, Start Num: 10

Candidate Starts for Flare16_32:

(Start: 10 @25055 has 19 MA's), (11, 25097), (12, 25100), (14, 25133), (15, 25154),

Gene: Georgie2_34 Start: 25145, Stop: 25303, Start Num: 10

Candidate Starts for Georgie2_34:

(Start: 8 @25139 has 2 MA's), (Start: 10 @25145 has 19 MA's), (11, 25187), (14, 25223),

Gene: Jerm_34 Start: 25470, Stop: 25628, Start Num: 10

Candidate Starts for Jerm_34:

(Start: 10 @25470 has 19 MA's), (11, 25512), (14, 25548),

Gene: JoshKayV_34 Start: 25432, Stop: 25602, Start Num: 6

Candidate Starts for JoshKayV_34:

(1, 25174), (2, 25183), (Start: 6 @25432 has 2 MA's), (Start: 10 @25450 has 19 MA's), (11, 25492), (14, 25528), (15, 25549),

Gene: Larenn_34 Start: 25533, Stop: 25697, Start Num: 9

Candidate Starts for Larenn_34:

(7, 25527), (Start: 9 @25533 has 2 MA's), (Start: 10 @25536 has 19 MA's), (11, 25578), (12, 25581), (14, 25614), (16, 25665),

Gene: Leviathan_34 Start: 25526, Stop: 25684, Start Num: 10

Candidate Starts for Leviathan_34:

(Start: 10 @25526 has 19 MA's), (11, 25568), (14, 25604),

Gene: MiculUcigas_32 Start: 25054, Stop: 25212, Start Num: 10

Candidate Starts for MiculUcigas_32:

(Start: 10 @25054 has 19 MA's), (11, 25096), (12, 25099), (14, 25132), (15, 25153),

Gene: NaSiaTalie_32 Start: 25052, Stop: 25210, Start Num: 10

Candidate Starts for NaSiaTalie_32:

(Start: 10 @25052 has 19 MA's), (11, 25094), (12, 25097), (14, 25130), (15, 25151),

Gene: NicoleTera_36 Start: 26466, Stop: 26636, Start Num: 6

Candidate Starts for NicoleTera_36:

(5, 26448), (Start: 6 @26466 has 2 MA's), (Start: 8 @26475 has 2 MA's), (Start: 10 @26481 has 19 MA's), (11, 26520), (14, 26556), (15, 26577), (16, 26607),

Gene: QueenB2_33 Start: 25215, Stop: 25373, Start Num: 10

Candidate Starts for QueenB2_33:

(Start: 8 @25209 has 2 MA's), (Start: 10 @25215 has 19 MA's), (11, 25257), (14, 25293),

Gene: QueenBeesly_33 Start: 25100, Stop: 25258, Start Num: 10

Candidate Starts for QueenBeesly_33:

(Start: 8 @25094 has 2 MA's), (Start: 10 @25100 has 19 MA's), (11, 25142), (14, 25178),

Gene: Retro23_33 Start: 25305, Stop: 25466, Start Num: 10

Candidate Starts for Retro23_33:

(Start: 8 @25299 has 2 MA's), (Start: 10 @25305 has 19 MA's), (11, 25347), (14, 25383),

Gene: SheaKeira_34 Start: 24933, Stop: 25100, Start Num: 8

Candidate Starts for SheaKeira_34:

(Start: 8 @24933 has 2 MA's), (13, 25011), (15, 25038),

Gene: Smeagan_35 Start: 25616, Stop: 25774, Start Num: 10

Candidate Starts for Smeagan_35:

(Start: 8 @25610 has 2 MA's), (Start: 10 @25616 has 19 MA's), (11, 25658), (14, 25694),

Gene: SororFago_36 Start: 26541, Stop: 26696, Start Num: 10

Candidate Starts for SororFago_36:

(Start: 9 @26538 has 2 MA's), (Start: 10 @26541 has 19 MA's), (11, 26583), (14, 26619), (16, 26670),

Gene: Trooper_33 Start: 25208, Stop: 25372, Start Num: 9

Candidate Starts for Trooper_33:

(Start: 9 @25208 has 2 MA's), (Start: 10 @25211 has 19 MA's), (11, 25253), (14, 25289),